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**IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE**

**Appl. No.:** 09/577,601  
**Applicant:** Sheena M. Loosmore et al.  
**Filed:** May 25, 2000  
**Title:** Co-Expression of Recombinant Proteins  
**TC/A.U.:** 1648  
**Examiner:** Lucas, Zachariah  
**Confirmation No.:** 6428  
**Docket No.:** 1038-1026 MIS:jb

**BY FACSIMILE: (571) 273-8300**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
Facsimile: (571) 273-8300

**SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT**

08/17/2005 TL0111 00000001 09577601

03 FC:1806

188.00 OP

Sir:

Applicants respectfully submit this Information Disclosure Statement, Form PTO/SB/08B (substitute for Form 1449B), and copies of the documents cited therein. This Information Disclosure Statement is in compliance with the duty of candor as set forth in 37 C.F.R. § 1.56. It is requested that the documents be given careful consideration and that they be cited of record in the prosecution history of the present application so that they will appear on the face of the patent issuing of the present application.

In the judgment of the undersigned, portions of the references may be material to the examination of the pending claims. However, the references have not been reviewed in sufficient detail to make any other representation and, in particular, no representation is intended as to the relative importance of any portion of the references. This Statement is not a representation that the cited references have effective dates early enough to be "prior art" within the meaning of 35 U.S.C. §102 or §103.

Sheena M. Loosmore et al.  
Appl. No. 09/577,601  
Attorney Docket No. 1038-1026 MIS:jb

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### CITED REFERENCES

#### Non Patent Literature Documents:

1. Lobigs M, Chelvanayagam G, Müllbacher, A, "Proteolytic processing of peptides in the lumen of the endoplasmic reticulum for antigen presentation by major histocompatibility class I", *Eur. J. Immunol.*, Vol. 30, pp. 1496-1506 (May 2000).
2. Bernstein HD, "The biogenesis and assembly of bacterial membrane proteins", *Current Opin. Microbiol.*, Vol. 3, No. 2, pp. 203-209 (Apr. 2000).
3. Poquet I, Saint V, Seznec E, Simoes N, Bolotin A, Gruss A, "HtrA is the unique surface housekeeping protease in *Lactococcus lactis* and is required for natural protein processing", *Mol. Microbiol.*, Vol. 35, No. 5, pp. 1042-1051 (Mar. 2000).
4. Noone D, Howell A, Devine KM, "Expression of ykdA, encoding a *Bacillus subtilis* homologue of HtrA, is heat shock inducible and negatively autoregulated", *J. Bacteriol.*, Vol. 182, No. 6, pp. 1592-1599 (Mar. 2000).
5. Fakruddin JM, Biswas S, Sharma YD, "Metalloprotease activity in a small heat shock protein of the human malaria parasite *Plasmodium vivax*", *Infection and Immunity*, Vol. 68, No. 3, pp. 1202-1206 (Mar. 2000).
6. Kim KI, Park SC, Kang SH, Cheong GW, Chung CH, "Selective degradation of unfolded proteins by the self-compartmentalizing HtrA protease, a periplasmic heat shock protein in *Escherichia coli*", *J. Mol. Biol.*, Vol. 294, pp. 1363-1374 (Dec. 1999).
7. Forsdyke DR, "Heat shock proteins as mediators of aggregation-induced 'danger' signals: implications of the slow evolutionary fine-tuning of sequences for the antigenicity of cancer cells", *Cell Stress & Chaperones*, Vol. 4, No. 4, pp. 205-210 (Dec. 1999).

Consideration and entry of this paper is respectfully requested. Should the Examiner have any questions concerning this application, he is invited to contact the undersigned at (570) 839-5537.

Respectfully submitted,

Date: August 16, 2005

By: 

Robert Yoshida  
Reg. No. 54,941

Sheena M. Loosmore et al.  
Appl. No. 09/577,601  
Attorney Docket No. 1038-1026 MIS:jb

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Sanofi Pasteur Inc.  
Intellectual Property - Knerr Building  
One Discovery Drive  
Swiftwater, PA 18370  
Telephone: (570) 839-5537  
Facsimile: (570) 895-2702

PTO/SB/08b (07-05)

Approved for use through 06/30/2006. OMB 0651-0031

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Substitute for form 1449B/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	09/577,601
		Filing Date	05/25/2000
		First Named Inventor	Sheena M. Loosmore
		Art Unit	1648
		Examiner Name	Lucas, Zachariah
		Attorney Docket Number	1038-1026 MIS:jb
Sheet	1	of	1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate); title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	1	Lobigs M, Chelvanayagam G, Müllbacher, A, "Proteolytic processing of peptides in the lumen of the endoplasmic reticulum for antigen presentation by major histocompatibility class I", Eur. J. Immunol., Vol. 30, pp. 1496-1506 (May 2000).	
	2	Bernstein HD, "The biogenesis and assembly of bacterial membrane proteins", Current Opin. Microbiol., Vol. 3, No. 2, pp. 203-209 (Apr. 2000).	
	3	Poquet I, Saint V, Seznec E, Simoes N, Bolotin A, Gruss A, "HtrA is the unique surface housekeeping protease in Lactococcus lactis and is required for natural protein processing", Mol. Microbiol., Vol. 35, No. 5, pp. 1042-1051 (Mar. 2000).	
	4	Noone D, Howell A, Devine KM, "Expression of ykdA, encoding a Bacillus subtilis homologue of HtrA, is heat shock inducible and negatively autoregulated", J. Bacteriol., Vol. 182, No. 6, pp. 1592-1599 (Mar. 2000).	
	5	Fakruddin JM, Biswas S, Sharma YD, "Metalloprotease activity in a small heat shock protein of the human malaria parasite Plasmodium vivax", Infection and Immunity, Vol. 68, No. 3, pp. 1202-1206 (Mar. 2000).	
	6	Kim KI, Park SC, Kang SH, Cheong GW, Chung CH, "Selective degradation of unfolded proteins by the self-compartmentalizing HtrA protease, a periplasmic heat shock protein in Escherichia coli", J. Mol. Biol., Vol. 294, pp. 1363-1374 (Dec. 1999).	
	7	Forsdyke DR, "Heat shock proteins as mediators of aggregation-induced 'danger' signals: implications of the slow evolutionary fine-tuning of sequences for the antigenicity of cancer cells", Cell Stress & Chaperones, Vol. 4, No. 4, pp. 205-210 (Dec. 1999).	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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